



LOG BOOK

✱ OF ✱

S. J. [illegible]
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OPPOSITE THE CUSTOM HOUSE,

NEW ORLEANS, LA.

Journal from Ship Virginia W towards New Orleans

K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	day of	188
			Direction.	Force.		Air.	Water.				
									Sat-20 th Oct Finished Loading Draft-Forward 18.7 Aft-18.9 1076 Casks Tobacco 99 Bbls Lard. 10,500 Pieces of Staves List-to-port		
									Monday 22 ^d 2 nd Mate and one man came on board		
									Wednes 24 th This day begins with moderate breeze from S.E. wind cloudy 11 A.M. crew came on board cast off and proceeded down the river in tow of Steam tug "Harry Wright"		
									Thurs. 25 th Midnight-anchored at the head of passes to wait for day 6 A.M. Hoove up and proceed to Red Isd Pilot and tow boat left us Employees bending sails and making all ready for sea this day has but 12 hours to commence sea voyage		

[illegible]

Journal from New Orleans towards Bremen 1883

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	1883
				Direction.	Force.		Air.	Water.			
1	4		SSE	SE						Sat 27 th day of Oct	
2	4									Commences with fine breeze from S.E. and passing clouds	
3	4										
4	4										
5	3	1	SE 1/2 E							Middle and latter parts wind more easterly	
6	3	1									
7	4									All sail set	
8	4										
9	4									Pumps Attended	
10	4										
11	4		SE 1/2 E								
12	4										
1	3		SE 1/2 S East								
2	3										
3	3										
4	3										
5	3		S 1/2 E								
6	3										
7	3										
8	3										
9	3										
10	3										
11	3										
12	3										

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
					26° 54'			26° 34'	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	day of	1883
				Direction.	Force.		Air.	Water.				
1	3		N 1/2 E	E 1/2 S						Commences with moderate breeze from E 1/2 S and clear	Sunday 28 th	Oct
2	3											
3	3											
4	3											
5	3	1	N E							12.30 P.M. tacked ship to N.E.	All sail set	
6	3	1										
7	3	1	N 1/2 E									
8	4											
9	3	1	N 1/2 E 1/2 S	E 1/2 S						Pumps Attended		
10	3	1										
11	3	1										
12	3	1										
1	3											
2	3											
3	3											
4	3											
5	3	1										
6	3	1										
7	3	1										
8	3	1										
9	4		E N E									
10	4											
11	4											
12	4											

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
					22° 24'			24° 06'	

Journal from New Orleans towards Bremen 1883

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	1883
				Direction.	Force.		Air.	Water.			
1	3	1	N 1/2 E	S 1/2 E						Begins with fresh breeze from S.E. and passing clouds	Monday 29 th day of Oct
2	3	1									
3	3										
4	3		N 1/2 E	EE							
5	3									6 P.M. tacked ship to S 1/2 E	
6	3										
7	3	1	S 1/2 E								
8	3	1									
9	3	1	South							12 Midnight tacked to East	Ends with moderate breeze from South
10	3										
11	3	1									
12	3		East								
1	4									Pumps Attended	
2	4										
3	4										
4	3										
5	3										
6	3										
7	3										
8	3										
9	2		SE 1/2 S	South							
10	2										
11	2										
12	2										

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
					27° 31'			24° 15'	

H	K	F	COURSES	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	1883
				Direction.	Force.		Air.	Water.			
1	2	1	E 1/2 S	South						Tues 30 th day of Oct	
2	2	1								This day begins with moderate breeze from Southward and cloudy	
3	2	1									
4	2	1									
5	1									Middle part light-buffling air	
6	1										
7		1								Ends with fresh breeze from Southward and passing clouds	
8		1									
9	0										
10	0										
11	0									Pumps Attended	
12	0										
1	0										
2	0										
3	0										
4	0										
5	0										
6	5		S 1/2 S	North							
7	5										
8	5										
9	7										
10	7										
11	7										
12	7										

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
					26° 40'			24° 47'	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	188
				Direction.	Force.		Air.	Water.			
1	6		SSE	North						This day commences with fresh breeze from Northward and passing clouds 3 P.M. heavy rain squalls from N.E. 4 do made all sail 9 do squally furled mizzen T. & L. sail and main boomal	188
2	6										
3	6		SSE								
4	5										
5	4										
6	4										
7	5										
8	5										
9	5										
10	4										
11	4		SSE							Pumps Attended	188
12	3										
1	1		SSE								
2	1										
3	4		SE								
4	4										
5	4										
6	4										
7	4										
8	4										
9	4		SE								
10	4										
11	4										
12	4										

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
					24° 00'			81° 46'	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	188
				Direction.	Force.		Air.	Water.			
1	5		SSE	North						Commenced with a fresh breeze from Northward and passing clouds At 1 P.M. made Portuguese light from mast head beginning 3 1/2 N dist- 12 midnight light bore NW 1/2 N dist- 15 miles light air from East- 1 P.M. wind sprang up fresh from eastward and light rain squalls 1 P.M. wore ship to NW or continuous squally furled T. & L. sails and mizzen stop till 12 M wore ship to East-	188
2	5										
3	6										
4	6										
5	6										
6	4										
7	4										
8	4										
9	6										
10	6										
11	5									Pumps Attended	188
12	5										
1	0										
2	3		SSE	East							
3	3										
4	3										
5	3										
6	3										
7	3										
8	3										
9	2		NW	NE							
10	2										
11	2										
12	2										

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
					24° 12'			82° 36'	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	188
				Direction.	Force.		Air.	Water.			
1	4		East	NNE						Begin with strong breeze from N.N.E. and cloudy increasing to a gale 1 P.M. reefed topsails 12 Midnight wore ship to NW and furled main sail 1 P.M. wore ship to NW or continuous squally furled T. & L. sails and mizzen stop till 12 M wore ship to East-	188
2	4										
3	4										
4	4										
5	4										
6	4										
7	4		E 1/2 N								
8	4										
9	3										
10	3										
11	3									Pumps Attended	188
12	3										
1	2		NW								
2	2										
3	2										
4	2										
5	3		NW 1/2 W								
6	3										
7	3										
8	3										
9	3										
10	3										
11	3										
12	3										

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
					24° 11'			81° 30'	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	188
				Direction.	Force.		Air.	Water.			
1	3		NW 1/2 W	NNE						This day begins with a gale from N.N.E. and clear 1 P.M. made Land Key lighthouse bearing NW 1/2 N dist- 15 miles 1 P.M. wore ship to NW or continuous squally furled T. & L. sails and mizzen stop till 12 M wore ship to East-	188
2	3										
3	3										
4	3										
5	3		E 1/2 N	NNE							
6	3										
7	3										
8	3										
9	4										
10	4										
11	4									Pumps Attended	188
12	4										
1	3										
2	3										
3	3										
4	3										
5	3		NW 1/2 W								
6	3										
7	3										
8	3										
9	3										
10	3										
11	2										
12	2										

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
					24° 14'			80° 56'	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	Sunday day of Nov	188
				Direction.	Force.		Air.	Water.				
1	3		N 4 E							Begin with a gale from		
2	3									E & S and passing clouds 2 P.M.		
3	3	1								made American Shoals light-house		
4	3	1								3 do wore ship 6 do light-house		
5	4		E 4 S							fore N.W. or dist 17 miles 3 do		
6	4									furled main topsail and jib		
7	4									12 midnight - wore ship's 2.30		
8	3		S 6 1/2 E							A.M. wore ship (made Louisiana		
9	3									light house bearing N.E.		
10	3		S 6 1/2 S							Latter part - more moderate set fore and		
11	3									main topsails and mainsail		
12	3		North							Pumps attended		
1	3											
2	3											
3	3											
4	3											
5	3		N 4 W									
6	3											
7	3		N 4 W									
8	3											
9	3	1	E 4 S									
10	3	1										
11	3	1	S 6 1/2 E									
12	3	1										

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
					24.20			81.16	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	Monday day of Nov	188
				Direction.	Force.		Air.	Water.				
1	3	1	N 4 W							Commences with a gale from E & S		
2	3	1								and passing clouds 4 P.M. wore ship		
3	3	1								S 6 1/2 E Sombrero bearing N.E. dist 9 miles		
4	3	1								3 do light - bore North 11 do lost the light-		
5	3	1	S 6 E							bearing N.W. N 3 W		
6	3	1								Middle part - squally, furled mainsail		
7	3	1	S 6 1/2 E							and fore topsail 4 A.M. wore ship 3 do		
8	3	1								wore ship		
9	3											
10	2	1	S 6 1/2 E									
11	2	1								Ends with heavy gale from N.E.		
12	2	1								and squally		
1	2	1								Pumps attended		
2	2	1										
3	2	1										
4	2	1										
5	2	1	N 4 W									
6	2	1										
7	2	1										
8	2	1										
9	2	1	S 6 1/2 E									
10	2	1										
11	2	1										
12	2	1										

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
					24.19			80.40	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	Tues 6 th day of Nov	188
				Direction.	Force.		Air.	Water.				
1	3		S 6 1/2 E			1 1/2				Begin with a gale from N.E.		
2	3									and squally 12.30 furled jib		
3	3									6 do wore ship to N.W.		
4	3											
5	3									At 12 P.M. made Alligator reef light-		
6	3									bearing N.W. or wore ship 12 midnight		
7	3		N 4 W							lost - light-bearing, N.W. N 3 W		
8	3									Latter part - more moderate set fore		
9	3									and main topsails mainsail 4 jib		
10	3		S 6 1/2 E									
11	3									Pumps attended		
12	3											
1	3		S 6 1/2 E									
2	3											
3	3											
4	3											
5	3		S 6 E									
6	3											
7	3											
8	3											
9	3	1										
10	3	1										
11	3	1										
12	3	1										

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
					24.23			80.56	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	Wednes 7 th day of Nov	188
				Direction.	Force.		Air.	Water.				
1	3	1	S 6 1/2 E							This day begins with a gale from		
2	3	1								N.E. & S and passing clouds		
3	3	1								4 P.M. furled mainsail 3 do locked ship		
4	3	1										
5	3	1								Latter part - more moderate set		
6	3	1								mainsail turned reefs out of topsails		
7	3	1								and set - main T. & P. sail		
8	3	1										
9	3	1	North							Pumps attended		
10	3	1										
11	3	1										
12	3	1										
1	3											
2	2	1										
3	2	1										
4	2	1										
5	2	1	N 1/2 E									
6	2	1										
7	2	1										
8	2	1										
9	2	1										
10	2	1										
11	2	1										
12	2	1										

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
					26.12			79.44	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	4		East	1/2 E						
2	4									
3	4		1/2 E	1/2 E						Begins with a fresh breeze from N.E. and clear 2 P.M. and ship
4	4									
5	3									
6	3									
7	3									Latter part fresh gale from N.E. 12 M. made long fire light bearing 1/2 S.
8	3									
9	3		1/2 N.E.							
10	3									
11	2	1								Pumps Attended
12	2	1								
1	2	1	1/2 N.E.							
2	2	1								
3	3									
4	3									
5	3									
6	3									
7	3									
8	3									
9	3		1/2 N.							
10	3									
11	3									
12	3									

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	4	1	1/2 E	1/2 E						Friday 9 th day of Nov
2	4	1								
3	4	1								Begins with a fine breeze from Eastward and clear 2 P.M. set fore 1/2 S.
4	4	1								
5	4		South							
6	4									
7	3									At 5 P.M. lighter light - low water dist. 22 miles
8	3		1/2 E							
9	3									
10	3									Middle and latter parts light air from E.S.E. and clear
11	3									
12	4									Pumps Attended
1	3									
2	2									
3	1	1								
4	1	1								
5	1	1								
6	1	1								
7	1	1								
8	1	1	1/2 E							
9	1	1								
10	1	1								
11	1	1								
12	1	1								

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
					25.23			79.32	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	1	1	1/2 E	1/2 E						Sat 10 th day of Nov
2	1	1								
3	1	1								Commences with light air from E.S.E. and clear
4	1	1								
5	2									
6	2									Middle and latter parts light variable winds from South to S.W.
7	2									
8	2									
9	3									
10	3	1								
11	4	1								Pumps Attended
12	4	1								
1	4		1/2 E							
2	4									
3	4									
4	2									South
5	2									
6	2									
7	2									South
8	2									
9	3									
10	3									
11	3	1								South
12	3	1								

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
								29.54	79.45

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	3		1/2 E	Baffling						Sunday 11 th day of Nov
2	3									
3	3									Begins with light-buffling winds and passing clouds
4	3									
5	3	1								
6	4	1								
7	5		1/2 E							Middle & latter parts fresh breeze from S.E. and clear
8	7		1/2 E	1/2 E						
9	7									
10	7									
11	7									Pumps Attended
12	7									
1	7									
2	7									
3	7									
4	6	1								
5	6	1								
6	6	1								
7	6									
8	6									
9	5									
10	5									
11	5									
12	5									

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
					31.10			76.44	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	day of Nov	188
				Direction.	Force.		Air.	Water.				
1	4	1	N E by E	South								
2	4	1								Begin with fine breeze from		
3	4	1								southward and clear		
4	4	1										
5	4	1								Middle part - air is baffling & all hands		
6	4	1								to work - blowing a gale & distant sail		
7	4	1								to lower topsails and fore sail		
8	4	1										
9	4	1										
10	4	1										
11	4	1								Pumps Attended		
12	4	1										
1	4	1										
2	4	1										
3	4	1										
4	4	1										
5	4	1										
6	4	1										
7	4	1										
8	4	1										
9	4	1										
10	4	1										
11	4	1										
12	4	1										

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
					32° 47'			75° 12'	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	Tues 13 th day of Nov	188
				Direction.	Force.		Air.	Water.				
1	4	1	N E by E	SW		1/2				Commence with a gale from		
2	4	1								SW and cloudy		
3	4	1										
4	4	1								Middle part - more moderate 10 PM		
5	4	1								resp'd main topsail and set it 2 AM		
6	4	1								set fore topsail jib and main topmast		
7	4	1								stay sail & do set mizzen topsail and		
8	4	1								main sail 10 do reef out of topsails and		
9	4	1	E by E							set 7 ft. sails		
10	3	1										
11	3	1								Pumps Attended		
12	3	1										
1	3	1										
2	3	1										
3	3	1										
4	3	1	E by N			1/2						
5	3	1										
6	3	1										
7	2	1	East									
8	2	1										
9	2	1										
10	2	1	E by E									
11	2	1										
12	2	1										

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
					32° 47'			75° 12'	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	Wednes 14 th day of Nov	188
				Direction.	Force.		Air.	Water.				
1	2	1	E by E	Variable								
2	2	1								Begin with light breeze		
3	2	1	North							from N. E. and passing cloud		
4	2	1										
5	2	1										
6	2	1								Middle part fine breeze from South-		
7	2	1	N E by E	SE						ward and clear continues so through		
8	2	1								out the day		
9	2	1										
10	2	1										
11	2	1								Pumps Attended		
12	2	1										
1	2	1										
2	2	1										
3	2	1										
4	2	1										
5	2	1										
6	2	1										
7	2	1										
8	2	1										
9	2	1										
10	2	1										
11	2	1										
12	2	1										

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
					33° 57'			75° 50'	

H	K	F	COURSES	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	Thurs 15 th day of Nov	188
				Direction.	Force.		Air.	Water.				
1	2	1	E by N	SW								
2	2	1								Commence with a strong breeze		
3	2	1								from SW and cloudy increasing		
4	2	1								to a gale 6 PM. furl'd 7 ft. sails and		
5	2	1								resp'd topsail furl'd main sail		
6	2	1								11 do wind heeled to North		
7	2	1										
8	2	1								2 AM wind N. E. and rainy furl'd		
9	2	1								topsails ends more moderate		
10	2	1										
11	2	1								Pumps Attended		
12	2	1										
1	2	1										
2	2	1										
3	2	1										
4	2	1	E by N	N E								
5	2	1										
6	2	1										
7	2	1										
8	2	1										
9	2	1										
10	2	1										
11	2	1										
12	2	1										

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
					34° 23'			76° 16'	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	Friday day of Nov 1883
				Direction.	Force.		Air.	Water.			
1	3		SE	NE		2 1/2				This day commences with a strong breeze from NE and cloudy	
2	3									12.30 P.M. let fore & main topsails	
3	2									jit and Chanbery 6 do work ship	
4	2									to SE wind hauling Southward	
5	2									and breezing up	
6	2		SE								
7	2										
8	2		SE	SE							
9	3									12 Midnight Shortened down to	
10	3									lower topsails & AM have too under	
11	5		E by N							ways main topsail and fore topmast	
12	6									stay sail blowing very hard soon	
1	5									after wind shifted to NW	
2	4									6 AM let fore topsail and kept	
3	4									off E by N reefed fore sail & let it	
4	2		SE	West		2 Ps				Pumps Attended	
5	2										
6	2										
7	6		E by N								
8	6										
9	6										
10	6										
11	6										
12	6										

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
				34.33				68.43	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	Sat 17th day of Nov 1883
				Direction.	Force.		Air.	Water.			
1	6		E by N	NW						Begin with a gale from	
2	6									NW fast cloudy large sea running	
3	6									Ship laboring heavily and shipping	
4	6									large quantities of water on deck	
5	5									Middle part gale moderating	
6	5									wind shifted to North made sail	
7	5									to the breeze	
8	5										
9	5									Ends with fresh breeze from	
10	5									NE and cloudy	
11	3			North						Pumps Attended	
12	3										
1	3		6 1/2 N								
2	3										
3	3		6 1/2 S								
4	3										
5	3										
6	3										
7	3										
8	3										
9	3		E by S								
10	3										
11	3										
12	3										

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
				34.26				66.49	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	Sunday day of Nov 1883
				Direction.	Force.		Air.	Water.			
1	3		SE	SE		2 Ps				This day commences with fresh	
2	3									breeze from NE and cloudy	
3	3									9 PM let ship to NE & 9 AM let main	
4	3		SE 1/2 E							Sail	
5	3									Ends with fresh breeze from East	
6	3									and cloudy	
7	3										
8	3		SE	East							
9	3		NE							Pumps Attended	
10	2										
11	2										
12	3										
1	2		SE 1/2 E								
2	2										
3	2										
4	2		SE								
5	2										
6	2										
7	3										
8	3										
9	3		SE 1/2 E								
10	3										
11	3										
12	3										

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
				34.34				66.35	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	Monday 18th day of Nov 1883
				Direction.	Force.		Air.	Water.			
1	3		NE	East						Begin with fresh breeze from	
2	3									Eastward and cloudy	
3	3										
4	3									Middle part squally 6 PM fresh main	
5	3									Sail	
6	2										
7	2		NE							Ends with light breeze from Eastward	
8	2									and light rain squalls	
9	2		NE 1/4 N								
10	2									Pumps Attended	
11	2										
12	2										
1	2		NE 1/4 N								
2	2										
3	2										
4	2										
5	2		NE 1/4 N								
6	2										
7	2										
8	2										
9	2		NE								
10	2										
11	2										
12	2										

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
				35.31				66.34	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	188
				Direction.	Force.		Air.	Water.			
1			NNE	East						Begin with a light breeze from	
2	1									Eastward and cloudy	
3	1		E 1/2 S	NNE						2 PM hauled to NNE and con-	
4	2									tinues fresh breeze the rest of	
5	3		SE 1/2 E							the day. 6 PM turned reefs out	
6	3		SE 1/2 E							of fore & main topsails	
7	2		SE 1/2 E								
8	2		SE 1/2 E								
9	2		SE 1/2 E								
10	2		SE 1/2 E							Pumps Attended	
11	2		SE 1/2 E								
12	1		SE 1/2 E								
1	2		East								
2	2	1									
3	2	1									
4	2	1									
5	2	1									
6	3		E 1/2 S								
7	3										
8	3										
9	3	1									
10	3	1									
11	3	1									
12	3	1									

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
					34° 55'			64° 41'	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	188
				Direction.	Force.		Air.	Water.			
1	1		E 1/2 S	NE 1/2 E						Begin with fresh breeze	
2	3									from N.E. by E and passing clouds	
3	3									continues so throughout the	
4	3									day	
5	3									signaled a German Barque	
6	3									bound to Portsmouth	
7	3										
8	3									Very heavy head sea running	
9	2		E 1/2 S							ships pitching and laboring heavily	
10	2										
11	2									Pumps Attended	
12	2										
1	3										
2	3										
3	3										
4	3										
5	3		E 1/2 S								
6	3										
7	3										
8	3										
9	3										
10	3										
11	3										
12	3										

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
					34° 56'			64° 40'	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	188
				Direction.	Force.		Air.	Water.			
1	1		E 1/2 S	NNE							
2	3									Throughout this day strong	
3	3	1								breeze from NNE and passing	
4	3	1								clouds	
5	3	1	East								
6	3	1	E 1/2 S								
7	3		E 1/2 S							Pumps Attended	
8	3										
9	3		E 1/2 S	NE 1/2 E							
10	3										
11	3										
12	3										
1	3										
2	3										
3	3										
4	3										
5	3										
6	3										
7	3										
8	3										
9	3										
10	3										
11	3										
12	3										

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
					34° 53'			64° 43'	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	188
				Direction.	Force.		Air.	Water.			
1	2	1	SE 1/2 E	NE		2 1/2 N.				Commenced with a fresh breeze from	
2	2	1								NE and passing clouds 6 PM. Hoisted	
3	2	1								topsails	
4	2	1	E 1/2 S								
5	2	1	E 1/2 S							Widened port slightly and a very heavy	
6	2	1								head sea put out mainsail ships laboring	
7	2		E 1/2 S							heavy weather continues the same	
8	2		SE 1/2 E							the rest of the day	
9	2		SE 1/2 E								
10	2										
11	2	1									
12	2	1								Pumps Attended	
1	2	1									
2	2	1									
3	2										
4	2										
5	2										
6	2										
7	2		SE 1/2 E								
8	2		SE 1/2 E								
9	2										
10	2										
11	2										
12	2										

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
					33° 49'			62° 43'	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	188
				Direction.	Force.		Air.	Water.			
1	2		NNE	East	3					Begin with fresh gale from Eastward and passing clouds	
2	2									12.30 P.M. wore ship to NNE	
3	2									6 do reefed fore sail	
4	2		NNE 1/2 E							very heavy head sea ship laboring	
5	2					4.10				heavy	
6	2										
7	2										
8	2										
9	1	1	NE							Later part more moderate	
10	1	1								toward breeze out and set fore	
11	1	1								and main VES sails	
12	1	1									
1	1	1	NNE 1/2 E								
2	1	1								Pumps Attended	
3	1	1									
4	1	1									
5	1	1	ENE								
6	1	1									
7	2		E 1/2 N								
8	2										
9	2										
10	2										
11	2										
12	2										

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
					34.031			62.33	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	188
				Direction.	Force.		Air.	Water.			
1	3		E 1/2 N	ENE						Throughout this day moderate breeze from S.E. and passing clouds	
2	3									All sail set	
3	4									Pumps Attended	
4	4										
5	3										
6	3										
7	3										
8	3										
9	3										
10	3										
11	3										
12	3										
1	3										
2	3										
3	3										
4	3										
5	3										
6	3										
7	3										
8	3										
9	3										
10	3										
11	3										
12	3										

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
					34.24			61.23	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	188
				Direction.	Force.		Air.	Water.			
1	2		ENE	ENE		1/2 P				Commenced with fresh breeze from S.E. and clear 4 P.M.	
2	2									wind hauled to East	
3	1	1									
4	1	1									
5	1	1	N E 1/2 N			1 1/2				Middle part breeze freshening	
6	1	1								furled VES sails 12 midnight	
7	1	1								reefed topsails 2 A.M. furled main	
8	2									sail for 3 mizen topsails 8 1/2 4 do	
9	3	1	N 1/2 E			2				reefed fore sail 10 do furled foresail and	
10	3	1								main topsail 10 do breezen mizen topsail	
11	3										
12	3										
1	3					4				Ends with heavy gale from East and	
2	3									cloudy very heavy sea ship pitching	
3	2	1								and laboring heavy	
4	2	1								Pumps Attended	
5	2	1	N 1/2 E			6 P.M.					
6	2	1									
7	2	1									
8	2										
9	2										
10	2										
11	2										
12	2										

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
				34.10				61.56	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	188
				Direction.	Force.		Air.	Water.			
1	2		NNE	East		4 "				Throughout this day heavy gale beginning at East and gradually	
2	2									shifting to Southward ending S.E.	
3	2									very heavy sea remaining ship laboring	
4	2									heavy	
5	2	1									
6	2	1									
7	2	1	NE	ENE						Pumps Attended	
8	2	1									
9	2	1									
10	2	1									
11	2	1	ENE	ENE							
12	2	1									
1	2	1									
2	2	1									
3	2	1									
4	2	1									
5	2	1									
6	2	1									
7	2	1									
8	2	1									
9	2	1									
10	2	1									
11	2	1									
12	2	1									

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
				34.051				62.17	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	2	1	E 1/2 S	SSE						Wednesday day of Nov 1883
2	2	1								Begin with a gale from S.E.
3	2	1	East							and equally
4	2	1								
5	2	1								Middle part very heavy squalls
6	2	1								12 Midnight - furled fore topsail
7	2	1	E 1/2 S							and fore topmast staysail
8	2	1								
9	2	1	E 1/2 S	South	4 Ps					Latter part wind hauled from
10	2	1								South around by west to north
11	2	1	E 1/2 S							at times light winds and very heavy
12	2	1								rain. A very large sea running. Ship
1	2	1								laboring very heavy
2	2	1								
3	2	1								
4	2	1	E 1/2 S	SEW						Pumps Attended
5	2	1								
6	1	1								
7	1	1								
8	1	1								
9	1	1								
10	1	1	S E	North						
11	1	1								
12	1	1								

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
				37° 53'				61° 53'	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	1	1	E 1/2 S	NNE		6 Ps				Thursday day of Nov 1883
2	1	1								Throughout this day heavy
3	1	1								gale from northward and a
4	1	1								very heavy irregular sea running
5	1	1								Ship laboring very heavy
6	1	1								
7	1	1								
8	1	1								Pumps Attended
9	1	1								
10	1	1								
11	1	1								
12	1	1								
1	1	1	E 1/2 S							
2	1	1								
3	1	1								
4	1	1								
5	1	1								
6	1	1								
7	1	1								
8	1	1								
9	1	1	East							
10	1	1								
11	1	1								
12	1	1								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
				37° 20'				61° 40'	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	1	1	E 1/2 S	SEW						Friday 30 th day of Nov 1883
2	2	1								Begin with a gale from North and
3	2	1								and blowing 2 P.M. let lower fore &
4	2	1								mizzen topsails & foremast
5	2	1								Middle part wind hauling to Eastward
6	2	1	E 1/2 S							
7	2	1								
8	2	1	E 1/2 S							Pumps Attended
9	2	1								
10	2	1	E 1/2 S							
11	2	1	E 1/2 S							
12	2	1								
1	2	1	S 1/2 E							
2	2	1								
3	2	1								
4	2	1								
5	2	1	S 1/2 E							
6	2	1								
7	2	1	N 1/2 E							
8	2	1								
9	2	1	N 1/2 E							
10	2	1								
11	2	1								
12	2	1								

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
				36° 48'				61° 38'	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	2	1	NNE	E 1/2 S		5 Ps				Saturday 1 st day of Dec 1883
2	2	1								This day commences with a gale from
3	2	1								E 1/2 S. and cloudy gale increasing
4	2	1								4 P.M. furled fore topmast & mizzen topsails
5	2	1	N 1/2 E							and fore topmast
6	2	1								Sail 1 P.M. for topsail
7	2	1								
8	2	1	NNE	East						Middle part gale still increasing Barometer
9	2	1								29° 10' blowing a Hurricane furled weather
10	2	1								Side of main topsail and fore topmast
11	2	1	N 1/2 E							Stayed wind hauling to East -
12	2	1								
1	2	1	N 1/2 E							Ends with the wind N.N.E. blowing furiously
2	2	1								Very heavy sea running from East
3	2	1								
4	2	1								Pumps Attended
5	2	1								
6	2	1	NNE							
7	2	1								
8	2	1								
9	2	1	NNE	NE						
10	2	1								
11	2	1								
12	2	1								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
				36° 54'				61° 35'	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	day of Dec	188
				Direction.	Force.		Air.	Water.				
1	2		SE	SE		5-90				Continued the same S.W. wind		
2	2									North and a little more moderate		
3	2									10 do set main topsail and fore		
4	2									topmast - Stayed and work ship		
5	2		SE							at 4 AM. wind NW		
6	2									set fore topsail and kept off E.S.		
7	2											
8	2											
9	2											
10	2											
11	1	1	SE	North						Latter part moderating just made		
12	1	1								tail according to a very large sea		
										running from N.E.		
1	1		SE							Pumps Attended		
2	1											
3	1											
4	1			SE								
5	1											
6	2		SE									
7	2											
8	3											
9	3											
10	3											
11	4											
12	4											

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
					29° 05'			62° 15'	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	day of Dec	188
				Direction.	Force.		Air.	Water.				
1	2	1	SE	SE						This day begins with moderate		
2	3	1								breeze from Westward and cloudy		
3	4									6 PM. wind hauling to NW		
4	4									Barometer falling rapidly took in		
5	4	1								main top & set topsails and		
6	4	1								foremast & PM. wind NW and squally		
7	4	1								Barometer 29.65 and falling furled		
8	4									upper fore & main topsails and lower		
9	4									mizzen topsail & old and gale furled		
10	4									foremast 10 do violent squalls with		
11	2	1	SE	SE		5-90				heavy rain lightning at the N.W.		
12	2	1								Barometer 29.60 furled lower foretopmast		
1	2	1								Middle part 12 midnight - took in fore		
2	2	1								topmast stay sail and weather side		
3	3		SE							of lower main topsail ship lying on		
4	3									starboard tack heading to S.E.		
5	2	1	SE							Barometer fallen to 29.45 - gale increasing		
6	2	1								with terrific squalls 1.30 Barometer 29.30		
7	2	1								perfect hurricane one continual roar sharp		
8	2	1								lightning at NW 2.30 Barometer 29.15 wind		
9	2	1								shifted to NW in a terrific squall accompanied		
10	2	1								with hail rain and very sharp lightning		
11	2	1								very high sea running ship rolling and laboring		
12	2	1										

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	day of	188
				Direction.	Force.		Air.	Water.				
1										heavily and shipping much water on deck to leeward - ship		
2										falling off the wind and not lying to the wind suspected something		
3										must be wrong with the rudder on looking over the stern found		
4										it to be leaking near amidships with the tiller nearly		
5										hard down ship falling off in the trough of the sea and rolling		
6										furiously and shipping heavy seas on decks to leeward		
7										Got a 5 inch wide rent fore to the rudder chain outside and		
8										took it through the midship's Carvel pipe and hose it taught		
9										with the main. Captain set weather side of main topsail		
10										and fore topmast - stayed gale still blowing with great fury		
11										10 AM. moderating Barometer rising Ship lying better		
12												
1												
2												
3										Pumps Attended ship making a great deal		
4										more water men at the pumps nearly all		
5										the time		
6												
7												
8												
9												
10												
11												
12												

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
					29° 05'			62° 15'	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	day of Dec	188
				Direction.	Force.		Air.	Water.				
1	2		SE	SE		5-90				This day begins with fresh gale from		
2	2									NW very high sea running ship galling		
3	2									heavily to leeward and lurching badly		
4	2									cut a rope through the rudder trunk		
5	2									in the half deck and found the rudder		
6	2									stock was split badly wind and sea		
7	2									moderating find the ship has a very		
8	2									heavy list to port and making much more		
9	2									water than usual also upon examination		
10	3									of ship about decks find the ways and		
11	3									covering boards started also deck burst up		
12	2									on port side abaft the fore rigging staylines		
1	2		SE							started and reefs in main trail hauled		
2	2									up on both sides of the ship forward and		
3	2									ast - Both horses forward and aft badly wrenched		
4	2									the whole top of the ship having the appearance		
5	2									of being settled over to leeward the ship having		
6	2									a very heavy list - since the gale so much that		
7	2									we cannot pass the main pump and have to keep		
8	2									the weather bidge pump constantly going considering		
9	2									it not safe to proceed further on the voyage with		
10	2									the ship in such a condition we kept away South		
11	2									for fine weather and the nearest port available		
12	4		SE							Pumping steady for 14 hours before we got a luck		

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
					29° 05'			62° 15'	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	day of Dec	1883
				Direction.	Force.		Air.	Water.				
1	6		S by N or N or							Begins with a gale from NW and frequently turned reef out of fore sail and set upper main top sail reefed. Ship clearing and all shipping made water on deck upon establishment of ship aloft - found the main topmast - truss broken down main top sail yard sprung fore cap all to pieces and fore topmast badly chaffed in the cap		
2	6											
3	6											
4	6											
5	6											
6	6											
7	6											
8	6											
9	6											
10	6											
11	5											
12	5											
1	4									Middle part more moderate set upper fore top sail reefed - jib and main topmast stay		
2	4	1								Rail		
3	4	1								Later part moderating fast and hauling to westward with fine weather		
4	4	1								Pumps carefully attended every half hour		
5	4	1										
6	4	1										
7	4	1										
8	3	1										
9	3	1										
10	3	1										
11	2	1										
12	2											

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
					36.32			60.29	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	day of Dec	1883
				Direction.	Force.		Air.	Water.				
1	2		South	WSW						This day comes in with light breeze from westward and cloudy ground the western horizon later commences hauling to the NW and breezing up 5 P.M. furled T.M. sails & put the jib & do mizzen top sail & do reefed top sails and furled main sail 2 A.M. furled fore & main to sails & A.M. blowing a strong gale from SW and equally reefed fore sail & furled it 10 A.M. furled mizzen top sail took rudder chain to capstan and moved it taut		
2	1											
3	4		SSE	SW								
4	5											
5	5		SSE									
6	5											
7	4											
8	4											
9	4		S 1/2 E									
10	4											
11	4											
12	4											
1	4		S 1/2 E							Pumps attended every half hour in fact do nothing else but pumps		
2	4											
3	4											
4	3											
5	3											
6	3											
7	3											
8	3											
9	3		S 1/2 E									
10	3											
11	3											
12	3											

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
					34.40			59.04	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	day of Dec	1883
				Direction.	Force.		Air.	Water.				
1	1	1	South	WSW						Commences with a gale from WSW and raining 12.30 P.M. furled lower fore top sail 1.30 P.M. wind shifted to NW & do set lower fore top sail and kept off SSW again & do wind hauled to North and commenced breezing		
2	1	1										
3	1		SW									
4	2		SSW									
5	2											
6	1											
7	1		SW									
8	3		SSW									
9	5											
10	6											
11	7											
12	7											
1	7									Middle and latter part heavy gale from North and equally very high & much shipping a good deal of water on deck Pumps attended		
2	7											
3	7											
4	7											
5	7											
6	7											
7	7											
8	7											
9	7											
10	7											
11	7											
12	7		S 1/2 W									

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
					33.40			59.15	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	day of Dec	1883
				Direction.	Force.		Air.	Water.				
1	7		S 1/2 W	North						Begins with a gale from Northward and equally middle part wind hauling to westward equally & frequent lightning 10.30 A.M. wore ship		
2	7											
3	7											
4	7											
5	6											
6	6											
7	6											
8	6			SW								
9	6											
10	6			WSW								
11	5											
12	5			West								
1	5									Ends with light breeze from S.E. Pumps carefully attended making more water than usual		
2	4											
3	4											
4	2											
5	2		SSE	SW								
6	2											
7	1	1										
8	1	1	SE									
9	1	1										
10	1	1										
11	1	1										
12	1	1										

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
					31.55			59.55	

Journal from New Orleans towards Havana 188

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	188
				Direction.	Force.		Air.	Water.			
1	1	1	S by E	S E						Breeze freshening 9 th day of Dec	
2	1	1								This day begins with moderate breeze from S.E. and clear 2 P.M. Let up fore	
3	2									topsails and jib 4 do reef out of fore	
4	2									sail 6 do reef out of topsails and set	
5	2		S by W							flying jib to keep her off the coming	
6	3		S by W	East						the helm hard up all the time breeze	
7	3									freshening 10 P.M. furled flying jib Shanker	
8	3									and brigger topsail 11:30 the fore & main	
9	5									topsails 12 Midnight reefed fore sail	
10	5									11:30 A.M. furled lower brigger topsail	
11	6									very heavy squalls from S.E. could not	
12	6									clear the ship her course which was S by W	
1	6		South	S by E						She lay South most of the time sometimes	
2	7									came up to S.E. tiller of muddler hard	
3	7									to port all the middle watch took the	
4	7									Starboard muddler down to the Captain	
5	6		S by W							and have it taught and made it fast	
6	5									Peterson at the wheel	
7	3		S by W							Ends with moderate breeze from Eastward	
8	3									Let fore sail lower brigger topsail Shanker &	
9	2		W by S							main Topmast staysail	
10	2										
11	2		S by W								
12	2									Pumps Attended	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
					20.38			59.20	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	188
				Direction.	Force.		Air.	Water.			
1	3	1	S by W	East						Begin with moderate breeze from Eastward and cloudy Large sea running from Eastward Latter part light breeze from S by E made haul to whole topsails and courses Ship making a good deal of water pumps carefully attended	188
2	3	1									
3	4										
4	4										
5	4		S by W								
6	4										
7	4										
8	4										
9	4										
10	4										
11	4										
12	4										
1	4									Pumps Attended	
2	3										
3	2										
4	2		S by W	S by E							
5	2										
6	1										
7	2										
8	2		S by E	S by E							
9	2										
10	3										
11	3										
12	3										

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
					29.28			59.32	

Journal from New Orleans towards Havana 188

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	188
				Direction.	Force.		Air.	Water.			
1	2		S by W	S E						Begin with light air from S.E. and clear heavy swell from Eastward Middle part - calm 4 A.M. light air from NW Ship making a good deal of water about all the time at the pumps	188
2	3										
3	2										
4	2										
5	2										
6	2										
7	1		S by W								
8	1										
9	0										
10	0										
11	0										
12	0										
1	0									Pumps Attended	
2	0										
3	0										
4	1		S by E	NW							
5	1	1									
6	2										
7	2										
8	2	1									
9	2	1									
10	2	1									
11	2	1									
12	2	1									

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
					25.49			59.34	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	188
				Direction.	Force.		Air.	Water.			
1	3		S by E	NW						Commences with light breeze from NW and clear Middle part wind commences hauling to Eastward around by North ending the day with fine breeze from Eastward Pumps Attended	188
2	3										
3	3										
4	3										
5	3										
6	3										
7	3										
8	3										
9	3										
10	3										
11	3	1									
12	3	1									
1	4			North						Pumps Attended	
2	4										
3	4										
4	4			S by E							
5	4										
6	4										
7	4										
8	4										
9	4										
10	3	1		S by E							
11	3	1									
12	3	1									

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
					27.34			59.42	

Journal from New Orleans towards Brownsville

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	188
				Direction.	Force.		Air.	Water.			
1	4		S 1/2 E	ENE						Begins with fine breeze from Eastward and clear	
2	4									Large swell from Northward	
3	4										
4	4										
5	3									Ends with fresh breeze from N by W and cloudy	
6	3										
7	3										
8	3	1	South								
9	3	1									
10	3									Passed a vessel bottom up. Apparent-ly about 200 or three hundred tons	
11	3										
12	2										
1	2										
2	2									Pumps Attended	
3	2		S 1/2 E								
4	2										
5	2		South								
6	2										
7	2										
8	2										
9	2										
10	2										
11	2										
12	2										

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
				26:24				58:48	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	188
				Direction.	Force.		Air.	Water.			
1	6		S 1/2 W	South							
2	6										
3	6									Throughout this day fine breeze from Northward first part cloudy latter part clear	
4	6										
5	6										
6	6										
7	6										
8	6										
9	6									Pumps Attended	
10	6										
11	5	1									
12	5	1									
1	5										
2	5										
3	5										
4	4	1									
5	4	1									
6	4	1									
7	4	1									
8	4	1									
9	4	1									
10	5										
11	5										
12	5										

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.

Journal from New Orleans towards Brownsville

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	188
				Direction.	Force.		Air.	Water.			
1	4	1	S 1/2 W	NNE							
2	4	1								Throughout this day fine breeze from N.E. and clear pleasant weather	
3	4	1									
4	5										
5	5									Pumps Attended	
6	5										
7	5	1									
8	5	1									
9	5	1									
10	5	1									
11	4	1									
12	4	1									
1	4	1									
2	4	1									
3	3	1									
4	4	1									
5	4	1									
6	4	1									
7	4	1									
8	4	1									
9	3	1									
10	3	1									
11	4										
12	3	1									

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
				22:25				59:11	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	188
				Direction.	Force.		Air.	Water.			
1	3	1	S 1/2 W	NE							
2	3	1								Begins with moderate breeze from N.E. and clear	
3	3	1									
4	3	1								Middle part light-buffing air from North to N.E.	
5	3										
6	3										
7	3										
8	3									Ends with moderate breeze from E.N.E. and clear	
9	3									All sail set	
10	3										
11	2	1									
12	2									Pumps Attended	
1	2	1									
2	2	1									
3	2	1									
4	2	1									
5	2										
6	2										
7	2										
8	2										
9	3										
10	3										
11	3										
12	3										

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
				21:19				59:25	

towards

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
					19° 21'			2-9° 50'	

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
					18° 30'				62° 50'

towards

[illegible][illegible]

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	day of	188
				Direction.	Force.		Air.	Water.				
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
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H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	day of	188
				Direction.	Force.		Air.	Water.				
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
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H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	day of	188
				Direction.	Force.		Air.	Water.				
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
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H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	day of	188
				Direction.	Force.		Air.	Water.				
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
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